



**H.E. Supplies Pty Ltd**

**Hobby Supplies  
Engineering Supplies**

ABN 54 125 001 541



**Bearing  
Precision**

3239 Old Cleveland Road Capalaba West Queensland 4157

Phone: 07 3245 7977

Fax 07 3245 1017

## Bearing Precision

### **AISI440C and SAE52100**

Bearings are manufactured to various precision grades. The precision grade of a bearing ultimately affects the bearings performance. As the precision grade increases from ISO P0 upwards towards ABEC 9, the price generally increases and bearing performance increases. It must be remembered however that even the highest grade bearing will fail very quickly if subjected to adverse conditions.

### **316 Stainless Steel and Acetal**

316 Stainless Steel is not as readily machineable as 440C grade stainless steel, so tolerances are not comparable to those listed for 440C. Also note that 316 Stainless Steel is a substantially softer material than 440C.

Acetal bearings have a set of tolerances similar to 316 Stainless Steel.

316 Stainless Steel and Acetal bearings are meant for relatively low loaded, slow speed applications.

Tolerance tables can be found on our web site.

**For more information**

<http://www.hobbyparts.com.au/technical/bearings/>

